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A LIST OF PHILIPPINE FISHES.

During the past summer the collection of Philippine Fishes in the Commercial Museums of Philadelphia was kindly placed in my hands for examination and study by the Director, Dr. William P. Wilson. No localities were found with the specimens, and only a few native names, so they are admitted here as simply from the Philippine Islands. Species new to the fauna are indicated by the prefixed asterisk.

**Stegostoma tigrinum* (Forster). *Chiloscyllium indicum* (Gmelin). *Scoliodon walbeehmii* (Bleeker). *Rhynchobatis djiddensis* (Forsk.). **Mobula eregoodoo-tenke* (Cuvier). *Elops hawaiiensis* Regan. *Megalops cyprinoides* (Broussonet). *Chirocentrus dorab* (Forsk.). *Chanos chanos* (Forsk.). *Dussumieria hasseltii* Bleeker. *Sardinella fimbriata* (Valenciennes). *Ilisha hoevenii* (Bleeker). *Anodontostoma chacunda* (B. Hamilton). *Anchovia commersonii* (Lacépède). *Thrisocles hamiltoni* (Gray). *T. mystax* (Schneider). *T. setirostris* (Broussonet). *Saurida argyrophanes* Richardson. **Monopterus albus* (Zuiew). *Anguilla mauritiana* Bennett. *Muraenesox cinereus* (Forsk.). *Pisodonophis cancrivorus* (Richardson). *P. boro* (B. Hamilton). **Evenchelys macrurus* (Bleeker). *Carassius auratus* (Linnæus). *Netuma thalassina* (Rüppell). *Clarias batrachus* (Bloch). *Tylosurus leiuroides* (Bleeker). *T. caudimaculatus* (Cuvier). *Hemiramphus limbatus* Valenciennes. *H. quoyi* Valenciennes. **H. far* (Forsk.). *H. cantor* Bleeker. *Zenarchopterus dispar* (Valenciennes). *Z. philippinus* (Peters). *Dermatogenys viviparus* (Peters). *Liza labiosa* (Valenciennes). *L. waigiensis* (Quoy and Gaimard). *Sphyræna langsar* Bleeker. *Fistularia serrata* Cuvier. *Corythoichthys spicifer* (Rüppell). *Gastrotokeus biaculeatus* (Bloch). *Myripristis murdjan* (Forsk.). *Holocentrus ruber* Lacépède. **H. dia-*

dema (Lacépède). *H. cornutus* Bleeker. *Flam-
meo sammara* (Forsk.) *Scomber microlepidotus*
Rüppell. *Scomberomorus commerson* Lacépède.
Trichiurus haumela (Forsk.) *Scomberoides tolo-
parah* (Rüppell). *S. tala* (Cuvier). *Lactarius lac-
tarius* (Schneider). *Megalaspis cordyla* (Schneider).
Decapterus kurra Bleeker. *Selar boops* (Cuvier).
S. crumenophthalmus (Bloch). *Caranx ignobilis*
(Forsk.) *C. sexfasciatus* Quoy & Gaimard. *C.
kalla* Cuvier. *C. djeddaba* (Forsk.) *C. hassel-
tii* (Bleeker). *C. leptolepis* Cuvier. *Carangoides
oblongus* (Valenciennes). *Citula armata* (Forsk.).
Scyris indica Rüppell. *Leiognathus equula* (For-
skal). *L. splendens* (Cuvier). *L. fasciatus* (Lacé-
pède). *Deveximentum insidiator* (Bloch). *D. ru-
conius* (B. Hamilton). *Gazza minuta* (Bloch).
Amia quadrifasciata (Cuvier). *A. kalloptera*
(Bleeker). *A. fleurieu* (Lacépède). *A. koilomata-
don* (Bleeker). *A. frenata* (Valenciennes). **A. exos-
tigma* (Jordan & Seale). *A. bifasciata* (Rüppell).
A. versicolor (Smith & Radcliffe). *A. savayensis*
(Günther). *A. jenkinsi* Evermann & Seale. **A.
leptacantha* (Bleeker). **Archamia zosterophora*
(Bleeker). **Cheilodipterus lineatus* Lacépède.
Ambassis ambassis (Lacépède). *Priopus buruensis*
(Bleeker). *Lates calcarifer* (Bloch). *Epinephelus
bontoides* (Bleeker). *E. maculatus* (Bloch). *E.
fasciatus* (Forsk.). *Psammoperca waigiensis*
(Quoy & Gaimard). **Pharopteryx corallicola* (Rüp-
pell). **Priacanthus tayenus* Richardson. **Luti-
anus chirtah* (Cuvier). *L. decussatus* (Cuvier). *L.
johni* (Bloch). *L. vitta* (Quoy & Gaimard). *L.
lineolatus* (Rüppell). *Nemipterus japonicus*
(Bloch). *N. luteus* (Bloch). *Pinjalo pinjalo*
(Bleeker). *Caesio caeruleus* (Lacépède). *Thera-
pon theraps* (Cuvier). *T. puta* (Cuvier). *T. jar-
bua* (Forsk.). *Helotes sexlineatus* (Quoy & Gai-
mard). *Mesopristes plumbeus* (Kner). *Pomadasis
hasta* (Bloch). *P. maculatus* (Bloch). *Scolopsis*

bilineatus (Bloch). *Pentapus nemurus* (Bleeker).
P. caninus (Cuvier). **Plectorhinchus pictus* (Thun-
 berg). *P. lineatus* (Linnæus). *Lethrinus harak*
 (Forskal). *L. moensi* (Bleeker). *L. leutjanus*
 (Lacépède). *L. mahsena* (Forskal). *Sparus berda*
 (Forskal). *Xystæma punctatum* (Cuvier). *X.*
oyena (Forskal). *X. poieti* (Cuvier). *X. bacon-*
ensis Evermann & Seale. *X. kapas* (Bleeker).
 **X. abbreviata* (Bleeker). **X. macracantha* (Bleek-
 er). *Argyrosomus aneus* (Bloch). *A. goldmani*
 (Bleeker). *Sciæna dussumieri* (Valenciennes). *S.*
russelli (Cuvier). *Sillago sihama* (Forskal). *Poly-*
dactylus plebius (Broussonet). *Pseudochromis ta-*
peinosomus (Bleeker). *Dampiera melanotaenia*
 (Bleeker). **Pseudoplesiops typus* Bleeker. *Ophi-*
ocephalus striatus Bloch. *Anabas testudineus*
 (Bloch). *Pomacentrus pavo* (Bloch). *P. violescens*
 Bleeker. *P. taeniurus* Bleeker. *P. lividus* (For-
 ster). **P. notophthalmus* Bleeker. **Cheiloprion*
labiatus (Day). *Abudefduf antjerius* (Cuvier).
A. coelestinus (Cuvier). *A. savatilis* (Lin-
 næus). *Chromis caeruleus* (Cuvier). *Dascyllus*
aruanus (Linnæus). *D. trimaculatus* (Rüppell).
Choerodon anchorago (Bloch). *Stethojulis strigi-*
venter (Bleeker). *Halichoeres leparensis* Bleeker.
Cheilio inermis (Forskal). *Hemipteronotus penta-*
dactylus (Lacépède). *Scatophagus argus* (Gmelin).
Drepane punctata (Gmelin). *Platax orbicularis*
 (Forskal). *Chaetodon auriga* Forskal. **C. fasci-*
atus Forskal. *C. punctato-fasciatus* Valenciennes.
C. trifasciatus Park. **Hemiochus varius* (Cuvier).
Zanclus cornutus (Linnæus). *Hepatus*
celebicus (Bleeker). *Naso unicornis* (Forskal).
Siganus fuscescens (Houttuyn). *S. marmoratus*
 (Quoy & Gaimard). *S. vermiculatus* (Quoy & Gai-
 mard). *S. javus* (Linnæus). *S. corallinus* (Valen-
 ciennes). *Triacanthus oxycephalus* Bleeker. *T.*
blochii Bleeker. *Balistapus undulatus* (Park).
Monacanthus surothura Van Hasselt. *Osbeckia*

scripta (Osbeck). *Spheroides lunaris* (Schneider). **Ostracion arcus* Schneider. *O. cornutum* Linnæus. *O. gibbosum* Linnæus. *Eleotris fusca* (Schneider). *Butis butis* (B. Hamilton). *Gobius ornatus* Rüppell. *Glossogobius giuris* (B. Hamilton). **Oxyurichthys tentacularis* (Valenciennes). **Gobiodon ceramensis* Bleeker. *Echeneis naucrates* (Linnæus). *Sebastopsis guamensis* (Quoy & Gaimard). *Pterois volitans* (Linnæus). **Inimicus didactylum* (Pallas). *Platycephalus indicus* (Linnæus). *Thysanophrys crocodilus* (Tilesius). *T. bataviensis* Bleeker. *Elates thompsoni* Jordan & Seale. *Psettodes erumei* (Bloch). *Pseudorhombus javanicus* (Bleeker). *Cynoglossus sumatrensis* (Bleeker). **C. quadrilineatus* (Bleeker). *Coryzichthys diemensis* (Le Sueur). **Salarias fuscus* Rüppell. **Petroscirtes hypseloptera* Bleeker.

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NOTE ON THE DUSKY SALAMANDER.

While spending a week-end at *Slabsides*, John Burroughs' rustic cabin near West Park, Ulster County, New York, I had an experience with the Dusky Salamander, *Desmognathus fuscus* (Raf.), which may be worth recording. After dark, on the night of November 25, 1917, I went to the spring to get a bucket of water, and when I returned to the light, I was surprised to find that I had dipped up two active immature salamanders. A few minutes later one of these was inadvertently poured out into a pan containing a little water, scarcely a half-inch deep, and allowed to remain in that all night. The next morning, the temperature having dropped to about 20° F., the salamander was frozen solid in the ice—that is, the ice was apparently frozen solid all around it. But after we had started a fire in the fireplace and the room had warmed up a bit, the ice thawed out, and the salamander, as soon as it was free from its icy prison, was as lively as it was the evening before, seemingly unharmed by the experience. In fact, after the two specimens were again placed together in water, it was impossible to tell which had been encased in the ice, as they were uniformly active and continued so during the several days that I kept them alive.

A single observation should not be taken to indicate too much, but this one points to nocturnal, or at least crepuscular